

wherein each of said rotary gears includes a protrusion extending substantially perpendicular from said face;

a microcontroller that provides a plurality of drive command signals;

means responsive to said drive command signals, for driving said rotary gears; and

a reset claw operably positioned to engage at least one of said protrusions to stop the rotation of said clock hand shaft associated with said protrusion to position said clock hand associated with said protrusion at a datum position.

2. (Original) The radio controllable clock of claim 1, wherein said means for driving said rotary gears comprises a stepper motor.

3. (Previously Amended) The radio controllable clock of claim 1 wherein said reset claw comprises a plurality of arms, wherein each of said arms engages an associated one of said protrusions to stop the rotation of said rotary gear associated therewith to position said clock hands at said datum position.

4. (Previously Amended) The radio controllable clock of claim 3, wherein said plurality of clock hands comprises a second hand, a minute hand and an hour hand and said plurality of arms comprises:

a first arm that engages a first protrusion on a first of said plurality of rotary gears that is associated with said second hand;

a second arm that engages a second protrusion on a second of said plurality of rotary gears that is associated with said minute hand; and

a third arm that engages a third protrusion on a third of said plurality of rotary gears that is associated with said hour hand.

5. (Original) The radio controllable clock of claim 2, comprising an alarm hand shaft, an alarm hand stepper motor and an alarm hand rotary wheel, wherein said alarm hand stepper motor drives said alarm hand rotary wheel to rotate said alarm hand shaft.

6. (Previously Amended) The radio controllable clock of claim 1, wherein said microcontroller generates pulses sufficient to drive each of said plurality of clock hand shafts to rotate said each of said plurality of clock hands associated therewith at least one complete revolution.

7. (Previously Amended) The radio controllable clock of claim 4, wherein said microcontroller generates pulses to rotate said minute hand at least one and a quarter rotation, wherein said minute hand is driven by said stepper motor through a plurality of cooperating rotary gears comprising (i) said second of said plurality of rotary gears, (ii) a minute hand centre wheel-idler, (iii) a minute hand intermediate wheel, (iv) a minute hand transmission wheel, and (v) a rotor.

8. (Previously Amended) The radio controllable clock of claim 4, wherein said microcontroller generates pulses to rotate said second hand at least one and a quarter rotation, wherein said second hand is driven through a plurality of cooperating rotary gears comprising (i)

said first of said plurality of rotary gears, (ii) a second hand centre wheel-idler, (iii) a second hand intermediate wheel, (iv) a second hand transmission wheel, and (v) a rotor.

9. (Previously Amended) The radio controllable clock of claim 4, wherein said microcontroller generates pulses to rotate said hour hand at least one and a quarter rotation, wherein said hour hand is driven through a plurality of cooperating rotary gears comprising (i) said third of said plurality of rotary gears, (ii) an hour hand centre wheel-idler, (iii) an hour hand intermediate wheel, (iv) an hour hand transmission wheel, and (v) a rotor.

10. (Original) The radio controllable clock of claim 1, comprising a flat panel display for displaying time and date information.

11.(Currently Amended) The radio controllable clock of claim 1, comprising a reset knob for manually activating ~~said means for mechanically stopping said hand shafts or said reset claw,~~ respectively commanding said microcontroller to issue said plurality of drive command signals.

12.(Cancelled)

13.(Previously Amended) A radio controllable clock, comprising:

a plurality of clock hands each fastened to a uniquely associated one of a plurality of clock hand shafts;

a plurality of rotary gears each uniquely associated with one of said clock hand shafts, for rotating said clock hand shafts, each rotary gear having a face, wherein each of said rotary gears includes a protrusion extending substantially perpendicular to said face;

a controller that provides a plurality of drive command signals;

motors responsive to said drive command signals, for driving said rotary gears to rotate a selected one of said clock hands; and

means, operably positionable to engage said protrusion at a selected rotary position of said rotary gear, for stopping clockwise or counter clockwise rotation of said associated rotary gear to position said associated clock hand at a datum position.

14.(Original) The radio controllable clock of claim 13, wherein said motors comprise a stepper motor.

15.(Original) The radio controllable clock of claim 13, wherein said motors comprise torque motors.

16.(Previously Amended) The radio controllable clock of claim 13, wherein said means for stopping comprises a reset claw including a plurality of arms, wherein each of said arms engages a uniquely associated one of said protrusions to stop the rotation of said associated rotary gear and thus position said associated clock hand at the datum position wherein each of said arms is configured and arranged to be positioned in a first position and a second position, wherein while in said first position said arm is in the path of rotation of said protrusion, and in said second position said arm is outside the path of rotation of said protrusion.

17. (Currently Amended) The radio controllable clock of claim 3, wherein each of said arms is movable.

18.(Previously Added) The radio controllable clock of claim 17, wherein each of said arms pivots about a common axis.

19.(Previously Added) The radio controllable clock of claim 3, wherein each of said arms is configured and arranged to be positioned in a first position and a second position, wherein while in said first position said arm is in the path of rotation of said protrusion, and in said second position said arm is outside the path of rotation of said protrusion.

20.(Previously Added) A radio controllable clock, comprising:
a plurality of clock hands each fastened to a uniquely associated one of a plurality of clock hand shafts;
a plurality of rotary gears each uniquely associated with one of said clock hand shafts, for rotating said clock hand shafts, each rotary gear having a face, wherein each of said rotary gears includes a protrusion extending substantially perpendicular to said face;
a controller that provides a plurality of drive command signals;
a least one motor responsive to said drive command signals, for driving said rotary gears to rotate a selected one of said clock hands; and

pivotal arm, operably positionable to engage said protrusion at a selected rotary position of said rotary gear, for stopping clockwise or counter clockwise rotation of said associated rotary gear to position said associated clock hand at a datum position.